

ABSTRACT

An internal control device for a mechanical gearbox including first and second input clutches which, respectively, control transmission from engine torque towards first and second primary concentric shafts bearing; stationary pinions; two output shafts supporting idle pinions which are driven respectively by the first and second input shafts; and a mechanism for jaw clutching the idle pinions, which are actuated by an assembly of shift forks. All of the gearbox ratios are selected and switched by a common selector including a selector cylinder and a switching carriage which is concentric to the cylinder and which is disposed therein.